

ISS: Injury Severity Score

Injury Severity Score

- Anatomical scoring system for patients with multiple injuries

Strengths:

- ISS score correlates with mortality, morbidity & hospital stay

ISS Components

Each injury assigned

Abbreviated Injury Scale (AIS).

I. Injury allocated to one of six body regions:

1. Head/neck

2. Face

3. Chest

4. Abdomen

5. Extremity

6. External (skin)

AIS Cont'd

II. Each injury ranked on Scale 1-6,
representing “threat to life”

<u>AIS Score</u>	<u>Injury</u>
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1	Minor
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2	Moderate
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3	Serious
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4	Severe
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5	Critical
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6	Maximum(Untreatable)
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Each injury allocated to a Body Region with Severity ranking;

- ONLY highest AIS number in each body area is used
- Use 3 most severely injured body area scores squared
- Add 3 squared scores together

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Injury Severity Score

<u>Body Region</u>	<u>Injury Description</u>	<u>AIS</u>	<u>Square Top 3</u>
Head & Neck	cerebral contusion	3	9
Face	No Injury	0	
Chest	Flail Chest	4	16
Abdomen	Minor contusion liver	2	
	Complex Rupture Spleen	5	25
Extremity	Fractured Femur	3	9
External	No Injury	0	

Injury Severity Score: 50

<u>Body Region</u>	<u>Injury Description</u>	<u>AIS</u>	<u>Square Top</u>
Head/Neck	Cerebral contusion, Internal carotid artery, complete transection	4	16
Face	closed fx nose	1	1
Chest	Rib Fractures, left 3-4	3	9
Abdomen	Retroperitoneal hematoma	3	9
Extremity	Open bimalleolar fracture, left	3	9
External	Abrasions, trunk	1	

Injury Severity Score: 34

Injury Severity Score

Injury Severity Score range 1-75

If injury is assigned 6 (unsurvivable), ISS = 75

Score Reflective of Injury

ISS Score

1-9

10-15

16- 24

≥ 25

Severity

Minor

Moderate

Moderate/Severe

Severe/Critical

Injury Severity Score

Weaknesses:

No complete descriptions available prior to full diagnosis so not useful for triage

Many different injury patterns yield same ISS score

Errors of AIS scoring = errors of ISS

Injuries to different body regions are not weighted